Panasonic

2.4GHz Cordless Phone

Model No. **KX-TG2560B**
KX-TG2560S

Pulse-or-tone dialing capability

Operating Instructions

2.4GHz
SPREAD SPECTRUM

2.4GHz
GIGARANGE EXTREME

KX-TG2560B

PLEASE READ BEFORE USE AND SAVE.

Caller ID Compatible

Charge the battery for about 7 hours before initial use.

Panasonic World Wide Web address: http://www.panasonic.com
for customers in the USA or Puerto Rico

Before Initial Use

Please read IMPORTANT SAFETY INSTRUCTIONS on page 59 before use. Read and understand all instructions.

Thank you for purchasing your new Panasonic cordless telephone.

Caller ID and Visual Call Waiting (Call Waiting ID), where available, are telephone company services. After subscribing to Caller ID, this phone will display the caller's name and phone number. An added service, Visual Call Waiting, will display the second caller's name and phone number during call waiting.

┌ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ─ ┐
| **Attach your purchase receipt here.**
I   I

For your future reference
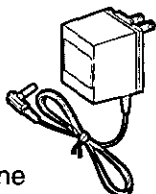
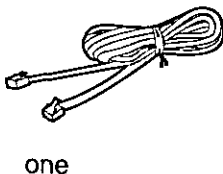Serial No. _____   Date of purchase _____

(found on the bottom of the unit)

Name and address of dealer _____

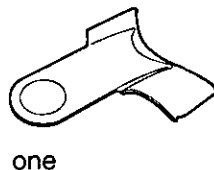**Accessories** (Included) For extra orders, call 1-800-332-5368.

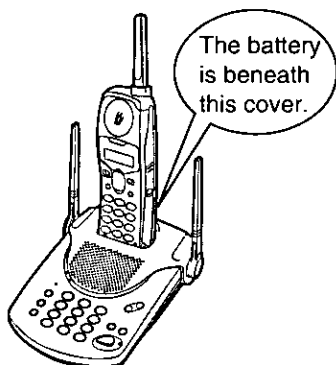| ☐ AC Adaptor (p. 10) Order No. PQLV10Z	☐ Telephone Line Cord (p. 10)	☐ Belt Clip (p. 53) Order No. PQKE10084Z1
one	one	one

For Best Performance

Battery Charge

A rechargeable Nickel-Metal Hydride (Ni-MH) battery powers the handset. Charge the battery for about **7 hours** before initial use (p. 11).

The battery is beneath this cover.

Base Unit Location/Noise

Calls are transmitted between the base unit and the handset using wireless radio waves. **For maximum distance and noise-free operation,** the recommended base unit location is:

Away from electrical appliances such as a TV, personal computer or another cordless phone.

In a HIGH and CENTRAL location with no obstructions such as walls.

Raise the antennas.
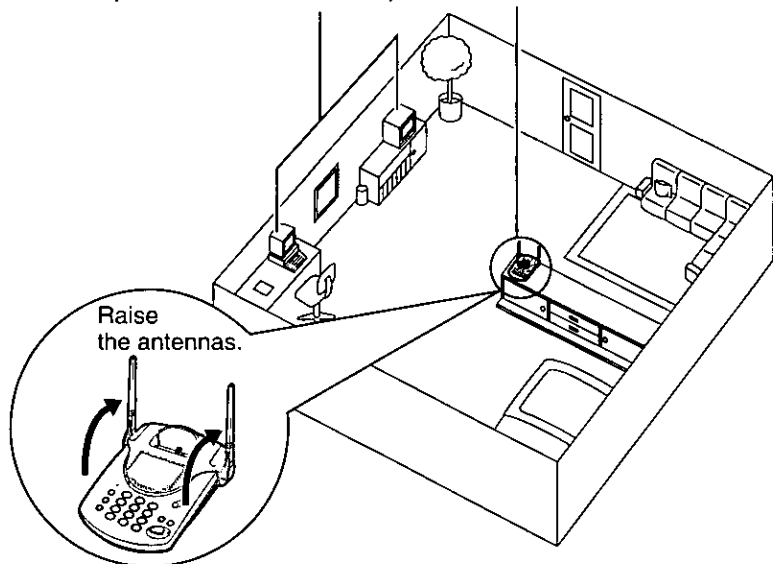
Note:
While using the handset:
— If you are near a microwave oven which is being used, noise may be heard from the receiver. Move away from the microwave oven and closer to the base unit.
— If more than one cordless phone is being used and your handset is near another cordless phone's base unit, noise may be heard. Move away from the other cordless phone's base unit and closer to your base unit.

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Panasonic

VOLUME ⊡, ⊡
Buttons (p. 22)

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Handset Display

The handset shows you instructions and information on the display.
These display prompts are shown below.

```
No items stored
```

The Caller List is empty or there are no stored items in the directory.

```
Recharge
      ʒ[  ▮ ]ʒ
```

The battery needs to be charged. Place the handset on the base unit to charge the battery (p. 11).

```
12 new calls
         [▮▮▮]
```

The display shows the number of new calls and the battery strength while the handset is on the base unit.

```
12 new calls
v=New      ʌ=Old
```

This display will be shown when:
— you lift the handset off the base unit, or
— ▼ or ▲ is pressed when the handset is off the base unit.
To search from the most recent call, press ▼ (New key). To search from the oldest call, press ▲ (Old key) (p. 28).

```
Talk

01-06-35  [▮▮▮]
```

During a conversation, the display shows the length of the call (ex. 1 hour, 6 minutes and 35 seconds). The battery strength is also displayed (p. 11).

```
Out of range
```

The handset has lost communication with the base unit. Move closer to the base unit.

```
Save error
```

While programming, the handset lost communication with the base unit. Move closer to the base unit.

```
TINA ROBINSON
1-000-222-3333
```

When a call is received, the display shows the caller's name and number after the first ring.

Not available

⊡ or ⊡, or [INTERCOM] was pressed while the base unit was not in the stand-by mode.

JACK SMITH
111-2222
11:20A JAN12 ×3

This is a name from the Caller List.
The display shows:
— the caller's name,
— the caller's number,
— the time and date of the last call
(ex. Jan. 12, 11:20 AM), and
— the number of times called (ex. 3 times).

Paging
Press INTERCOM

The base unit is paging the handset (p. 44).

Intercom
00-00-07 [▮▮▮]

The handset and the base unit are in the intercom mode (p. 44).

Intercom hold
00-01-12 [▮▮▮]

An outside call has been put on hold by the handset user in the intercom mode. To release the hold, press [TALK] or [DIGITAL SP-PHONE] (p. 45).

NANCY BROWN
1-000-222-3333
----Waiting----

A second call is received during a conversation (p. 51).

Please lift up
and try again

⊡ or ⊡ was pressed while the handset was on the base unit. Lift the handset and press ⊡ or ⊡ again.

Memory is full

When trying to store an item or Caller List information in the directory, the directory memory is full (p. 32, 35).

Ann
1234567890

This is a name from the directory. The stored name and phone number are displayed.

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Settings

Connections

Raise the antennas.

Fasten the AC adaptor cord to prevent it from being disconnected.

Hook

Power Outlet
(AC 120 V, 60 Hz)

AC Adaptor

Single-Line Telephone
Jack (RJ11C)

Telephone Line Cord
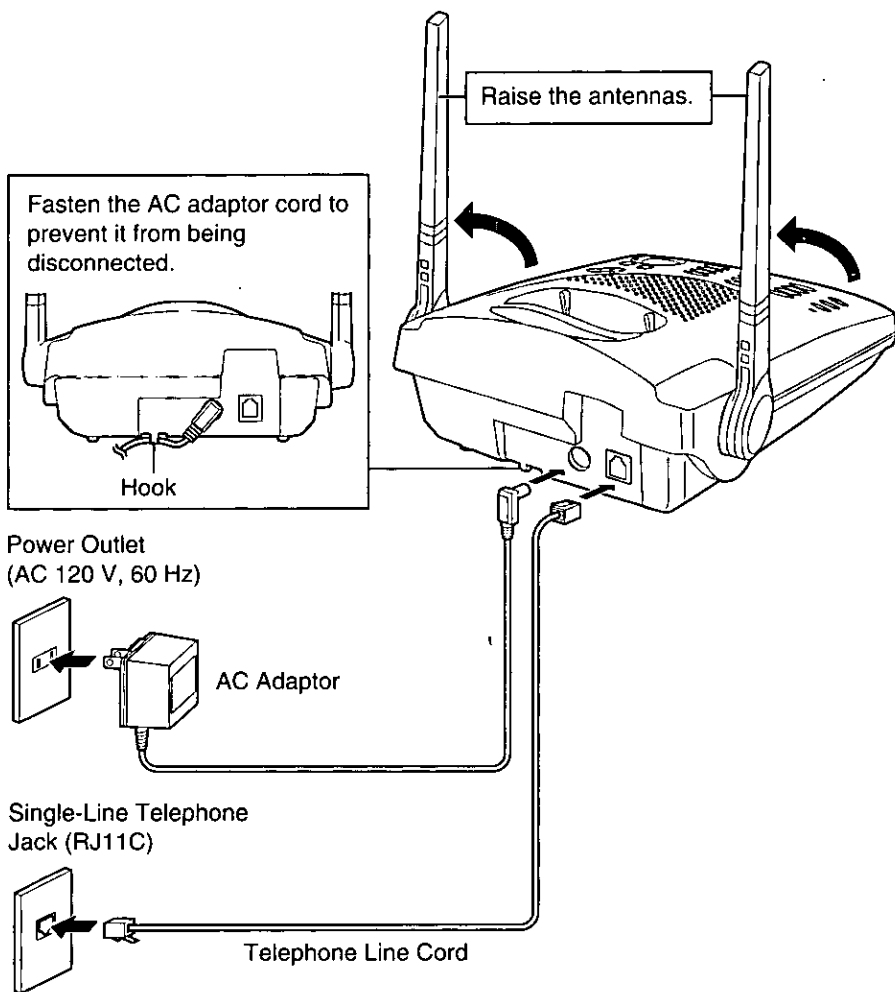
- USE ONLY WITH Panasonic AC ADAPTOR PQLV10 (Order No. PQLV10Z).
- The AC adaptor must remain connected at all times. (It is normal for the adaptor to feel warm during use.)
- To connect a standard telephone on the same line, see page 54.
- If your unit is connected to a PBX which does not support Caller ID and voice mail services, you cannot access those services.

Battery Charge

Place the handset on the base unit and charge for about **7 hours** before initial use.

• The IN USE/CHARGE indicator lights.

IN USE/CHARGE
Indicator
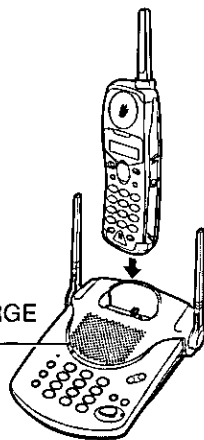
Battery strength

You can check the battery strength on the display while the handset is on the base unit, while it is in use (making/answering a call etc.), or after viewing the Caller List or directory items, programming etc.
The battery strength will remain for 5 seconds after using the handset, then the display will return to the stand-by mode (see next page).

The battery strength is as shown in the chart below.

Display prompt	Battery strength
[▮▮▮]	Fully charged·
[▮▮]	Medium
[▮]	Low
[▮] (flashing)	Needs to be recharged.

Recharge

Recharge the battery when:
— "Recharge" is displayed,
— "[▮]" flashes on the display, or
— the handset beeps intermittently while it is in use.

```
Recharge
         [ ▮]
```
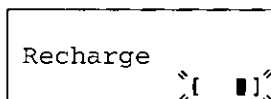
• If you DO NOT recharge the handset battery for more than 15 minutes, the display will keep indicating "Recharge" and/or "[▮]" will continue to flash.

11

➡ **Settings**

Battery information

After your Panasonic battery is fully charged (p. 11):

Operation		Approx. battery life
While in use (TALK)	near the base unit*	8–9 hours
	away from the base unit	3–4 hours
While not in use (Stand-by)		14 days

*Within about 10 feet (3 m)

• Battery life may be shortened depending on usage conditions, such as viewing the Caller ID Caller List or directory items, and ambient temperature.
• **Clean the handset and the base unit charge contacts with a soft, dry cloth once a month. Clean more often if the unit is subject to grease, dust or high humidity.** Otherwise the battery may not charge properly.
• If the battery is fully charged, you do not have to place the handset on the base unit until "Recharge" is displayed and/or "【　█】" flashes. This will maximize the battery life.
• The battery cannot be overcharged.

Stand-by mode (The handset is off the base unit.)

The handset goes into the stand-by mode after you finish using the handset (making/answering a call, viewing the Caller List or directory items etc.). The display is blank, but the handset can receive calls.
The battery life is conserved in this mode.

Selecting the Dialing Mode

You can program the dialing mode **using the handset near the base unit**. If you have touch tone service, set to "Tone". If rotary or pulse service is used, set to "Pulse". Your phone comes from the factory set to "Tone". **Make sure that the unit is in the stand-by mode.**

1 Press (**FUNCTION/EDIT**).

```
·►Redial
  Directory
 ∨∧      OK=Yes
```

2 Press ▼ or ▲ repeatedly until the arrow points to "Program".

```
  Ringer volume
 ►Program
 ∨∧      OK=Yes
```

3 Press OK ► (Yes key).

```
 ►Save directory
  Set flash time
 ∨∧      OK=Yes
```

4 Press ▼ or ▲ repeatedly until the arrow points to "Set dial mode".

```
  Set line mode
 ►Set dial mode
 ∨∧      OK=Yes
```

5 Press OK ► (Yes key).

```
 Dial mode
          :Tone
 ∨∧      OK=Save
```

6 Press ▼ or ▲ to select "Pulse" or "Tone". Press OK ► (Save key).

- A beep sounds.
- To return to the stand-by mode, press (**EXIT/CH**).

```
 Dial mode
          :Pulse
```

- You can exit the programming mode any time by pressing (**EXIT/CH**).
- If 3 beeps sound and the display shows "Save error", move closer to the base unit and try again. If "Save error" is still displayed, place the handset on the base unit. Start again from step 1.

Selecting the Line Mode

If the line is connected to a low voltage system such as a PBX, set to "B".
Otherwise the Visual Call Waiting (Call Waiting ID) Service may not be accessible (p. 51).
Your phone comes from the factory set to "A".
Make sure that the unit is in the stand-by mode.

1 Press (FUNCTION/EDIT).

```
▶Redial
 Directory
 v∧        OK=Yes
```

2 Press ▼ or ▲ repeatedly until the arrow points to "Program".

```
 Ringer volume
▶Program
 v∧        OK=Yes
```

3 Press OK ▶ (Yes key).

```
▶Save directory
 Set flash time
 v∧        OK=Yes
```

4 Press ▼ or ▲ repeatedly until the arrow points to "Set line mode".

```
▶Set line mode
 Set dial mode
 v∧        OK=Yes
```

5 Press OK ▶ (Yes key).

```
 Line mode
           :A
 v∧        OK=Save
```

6 Press ▼ or ▲ to select "B" or "A". Press OK ▶ (Save key).

```
 Line mode
           :B
```

- A beep sounds.
- To return to the stand-by mode, press (EXIT/CH).

- You can exit the programming mode any time by pressing (EXIT/CH).
- If 3 beeps sound and the display shows "Save error", move closer to the base unit and try again. If "Save error" is still displayed, place the handset on the base unit. Start again from step 1.

Programmable Functions

You can program the following function items using the handset near the base unit. The display shows the programming instructions. See the corresponding pages for function details.

Make sure that the unit is in the stand-by mode.

Press (**FUNCTION/EDIT**).

<Function menu>*
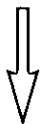
▶Redial	To redial the last number dialed (p. 20).
Directory	To use the directory (p. 38).
Ringer volume	To select the ringer volume (p. 19).
Program	

Press **OK** [▶].

<Function menu>*

▶Save directory	To store an item in the directory (p. 32, 34).
Set flash time	To select the flash time (p. 52).
Area code	To store your area code (p. 16).
2nd area code	To store a second area code (p. 17).
Save mailbox#	To store a voice mail access number (p. 47).
Voicemail tone	To set the voice mail tone (p. 48).
Set line mode	To select the line mode (p. 14).
Set dial mode	To select the dial mode (p. 13).
Talk switching	To set the auto talk feature (p. 18).

During programming

*To select a desired function item, press [▼] or [▲] repeatedly until the arrow points to the item. Then press **OK** [▶] to go to the next step.

• You can exit the programming mode any time by pressing (**EXIT/CH**).
• If you do not press any buttons for 60 seconds, the unit will return to the stand-by mode.

Storing Your Area Code

We recommend that you first program your area code before using the Caller ID feature (p. 26). Incoming calls from the same area code will then be recorded in the Caller List without the area code. You do not have to remove the area code before calling back or storing. When incoming calls from a different area code are received, "1" will automatically be added before the area code.

Make sure that the unit is in the stand-by mode.

1 Press [FUNCTION/EDIT].

2 Press ▼ or ▲ repeatedly until the arrow points to "Program".

```
Ringer volume
▶Program
∨∧        OK=Yes
```

3 Press **OK** ▶ (Yes key).

4 Press ▼ or ▲ repeatedly until the arrow points to "Area code".

```
▶Area code
 2nd area code
∨∧        OK=Yes
```

5 Press **OK** ▶ (Yes key).
• The current setting is displayed. If no area code has been stored, "---" will be displayed.

```
Area code
          :---
Enter area code
```

6 Enter your area code.
• If you enter a wrong number, press **BACK** ◀ and enter the correct number.

```
Area code
          :123
       OK=Save
```

7 Press **OK** ▶ (Save key).
• A beep sounds.
• To return to the stand-by mode, press [EXIT/CH].

```
Area code
          :123
```

To erase the area code

Press **BACK** ◀ in step 6.

• If a "2nd area code" has been stored (p. 17), it will also be erased automatically.

• You can exit the programming mode any time by pressing [EXIT/CH].

Storing a Second Area Code

You can also program a second local area code. This area code does not require "1" before it when dialing. After storing this area code, the display will show the 10 digits (3-digit area code plus 7-digit phone number) after a call is received from that area code. Calls will be recorded in the Caller List without "1". You cannot store a second area code unless your area code is stored first (p. 16).

Make sure that the unit is in the stand-by mode.

1 Press (FUNCTION/EDIT).

2 Press ▼ or ▲ repeatedly until the arrow points to "Program".

```
Ringer volume
▶Program
V∧        OK=Yes
```

3 Press OK ▶ (Yes key).

4 Press ▼ or ▲ repeatedly until the arrow points to "2nd area code".

```
Area code
▶2nd area code
V∧        OK=Yes
```

5 Press OK ▶ (Yes key).
  • The current setting is displayed. If no second area code has been stored, "---" will be displayed.

```
2nd area code
          :---
Enter area code
```

  • If 3 beeps sound, your area code has not been stored. Store that code first (p. 16).

6 Enter a second area code.
  • If you enter a wrong number, press **BACK** ◄ and enter the correct number.

```
2nd area code
          :124
       OK=Save
```

7 Press OK ▶ (Save key).
  • A beep sounds.
  • To return to the stand-by mode, press (EXIT/CH).

```
2nd area code
          :124
```

To erase the second area code

Press **BACK** ◄ in step 6.

• You can exit the programming mode any time by pressing (EXIT/CH).

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Setting the Auto Talk Feature

The Auto Talk feature allows you to answer a call by lifting the handset off the base unit without pressing (TALK). If you want to use this feature, turn the feature ON by programming. Your phone comes from the factory set to OFF.

Make sure that the unit is in the stand-by mode.

1 Press (FUNCTION/EDIT).

2 Press ⊙ or ⊛ repeatedly until the arrow points to "Program".

```
 Ringer volume
▶Program
∨∧        OK=Yes
```

3 Press OK ▣ (Yes key).

4 Press ⊙ or ⊛ repeatedly until the arrow points to "Talk switching".

```
▶Talk switching

∨∧        OK=Yes
```

5 Press OK ▣ (Yes key).

```
 Auto talk
            :On
∨∧       OK=Save
```

6 Press ⊙ or ⊛ to select "On" or "Off". Then press OK ▣ (Save key).

```
 Auto talk
            :Off

```

• A beep sounds.
• To return to the stand-by mode, press (EXIT/CH).

• You can exit the programming mode any time by pressing (EXIT/CH).
• In order to view Caller ID information before answering a call, leave the Auto Talk feature OFF.

Selecting the Ringer Volume

With the handset

You can program the ringer volume to HIGH, LOW or OFF. If set to OFF, the unit will not ring. Your phone comes from the factory set to HIGH. Make sure that the unit is in the stand-by mode.

1 Press (FUNCTION/EDIT).

```
▶Redial
 Directory
 ∨∧        OK=Yes
```

2 Press ▼ or ▲ repeatedly to select "Ringer volume". Then press **OK** ▶ (Yes key).

```
▶Ringer volume
 Program
 ∨∧        OK=Yes
```

3 Press ▼ or ▲ to select the desired volume.

- The selected volume is displayed and rings.
- **To turn the ringer OFF**, press and hold ▼ until 2 beeps sound.
- The handset will return to the stand-by mode.

To turn the ringer ON, press ▼ or ▲ in step 3.

- The ringer will sound at the LOW level.

HIGH
```
Ringer
Low ▐▐▐▐▐▐ High
∨∧
```

▲ ↑   ↓ ▼
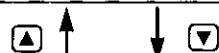
LOW
```
Ringer
Low ▐▐      High
∨∧
```

▲ ↑   ↓ ▼

OFF
```
    Ringer off
∨∧
```
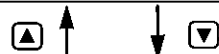
With the base unit

Make sure that the unit is in the stand-by mode.
- **To select HIGH (preset) or LOW,**
  press (HOLD/RINGER). (Each time you press the button, the ringer volume will change and the selected volume will ring.)
- **To turn the ringer OFF,**
  press and hold (HOLD/RINGER) until 2 beeps sound.
- **To turn the ringer ON,**
  press (HOLD/RINGER).
  The ringer will sound at the HIGH level.

(HOLD/RINGER)

19
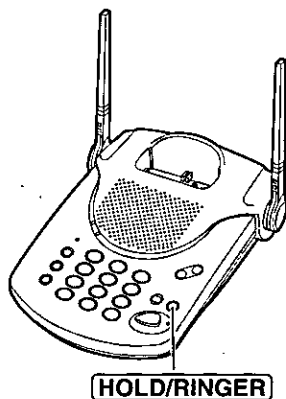
Making Calls

With the Handset

To have a hands-free conversation, connect the optional headset to the handset (p. 53).
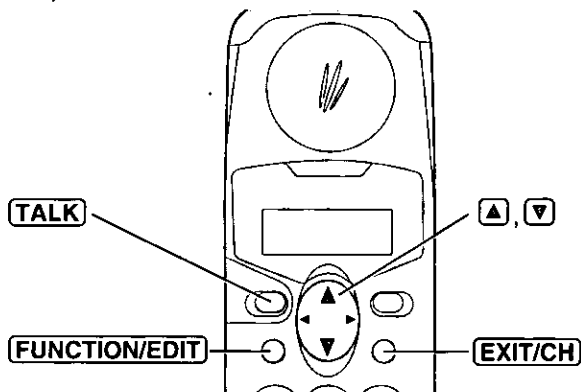
1   Press (TALK).

```
Talk
```

2   Dial a phone number.
- The dialed number is displayed.
- After a few seconds, the display will show the length of the call and the battery strength.

```
Talk
1112222
```

```
Talk
00-00-00    [███]
```
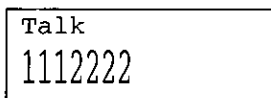
3   To hang up, press (TALK) or place the handset on the base unit.
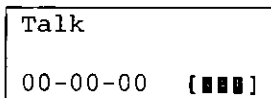
- If "Out of range" is displayed and an alarm tone sounds in step 1, move closer to the base unit or place the handset on the base unit, and try again.

To redial the last number dialed

Press (FUNCTION/EDIT) ➡ (TALK).

To redial after confirming the number in redial memory

1. Press (FUNCTION/EDIT).
2. While the arrow points to "Redial", press OK (▶).
   - The last number dialed is displayed.
3. Press (TALK).

To select the receiver volume

Press ▲ or ▼ while talking.

- Each time you press ▲ or ▼, the volume level will change.
- The display will return to the length of the call.

HIGH
```
Loud
Low ■■■■■■ High
```

▲ ↑   ↓ ▼

MEDIUM
```
Loud
Low ■■■■    High
```

▲ ↑   ↓ ▼

LOW
```
Loud
Low ■■       High
```
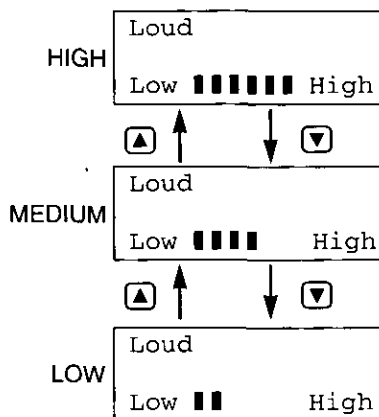
If noise interferes with the conversation

Press (EXIT/CH) to select a clearer channel or move closer to the base unit.

Lighted handset keypad

The handset dialing buttons will light when you press a button or lift the handset off the base unit, and flash when a call is received. The lights will go out about 10 seconds after pressing a button, lifting the handset or answering a call.

Backlit LCD display

The lighted handset display will stay on for about 10 seconds after pressing a handset button or lifting the handset off the base unit.

With the Base Unit (Digital Duplex Speakerphone)

1 Press (DIGITAL SP-PHONE).

• The DIGITAL SP-PHONE indicator lights.

2 Dial a phone number. (REDIAL/PAUSE)

3 When the other party answers, talk into the **MIC** (microphone).

4 To hang up, press (DIGITAL SP-PHONE).

• The indicator light goes out.

MIC

VOLUME ▽, △

(HOLD/RINGER)

(DIGITAL SP-PHONE) and indicator
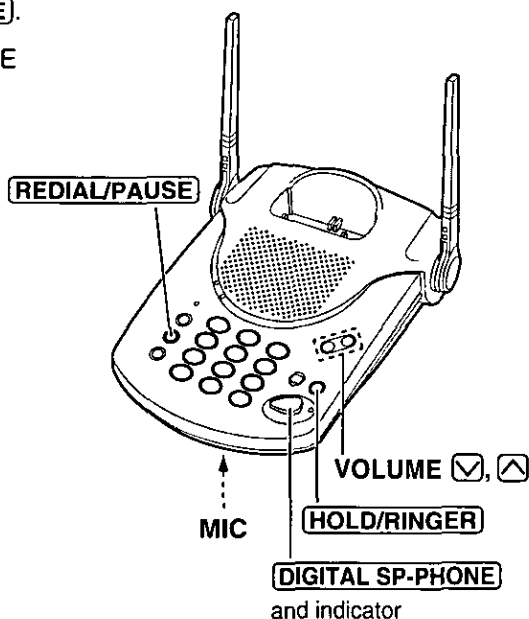
• To switch to the handset while using the speakerphone:
  — If the handset is off the base unit, press (TALK).
  — If on the base unit, just lift up.
• During a call using the handset, the call can be switched to the speakerphone by pressing (DIGITAL SP-PHONE).

Hands-free Digital Duplex Speakerphone
For best performance, please note the following:
• Talk alternately with the caller in a quiet room.
• If the other party has difficulty hearing you, press **VOLUME** ▽ to decrease the speaker volume.
• If the other party's voice from the speaker cuts in/out during a conversation, press **VOLUME** ▽ to decrease the speaker volume.

To adjust the speaker volume (8 levels) while talking

To increase, press **VOLUME** ⌃. To decrease, press **VOLUME** ⌄.

To redial the last number dialed on the base unit

Press (DIGITAL SP-PHONE) ➡ (REDIAL/PAUSE).

To put a call on hold

Press (HOLD/RINGER).

• The DIGITAL SP-PHONE indicator flashes.

To release the hold

From the base unit, press (DIGITAL SP-PHONE).
From the handset, press (TALK) or lift the handset off the base unit.

• If another phone is connected on the same line (p. 54), you can also release the hold by lifting its handset.

Basic Operation

Simultaneous Keypad Dialing

You can use the base unit like a standard telephone. After pressing (TALK) to make a call with the handset near the base unit, you can also dial using the base unit keypad.

1 Handset:
Press (TALK).

2 Base unit:
Dial a phone number while hearing a dial tone on the handset.

• When the other party answers, talk using the handset.

3 Handset:
To hang up, press (TALK) or place the handset on the base unit.
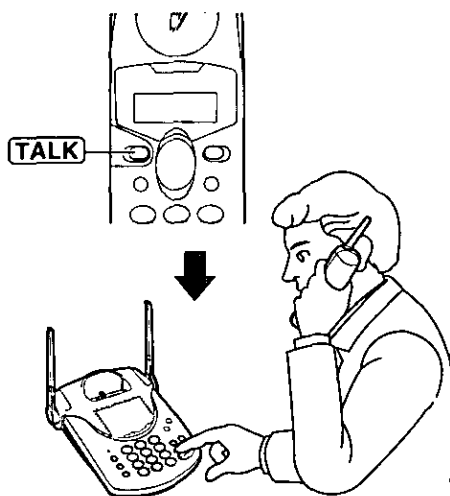
Simultaneous Keypad Dialing is possible only after pressing (TALK).

Useful information

You can enter numbers using the base unit keypad during a call with the handset. For example, to access an answering service, electronic banking service, etc.

1. Handset:
   Press (TALK).

2. Handset:
   Dial a telephone number.
   • You can also dial with the base unit keypad.

3. Base unit:
   Enter the required numbers while listening to the pre-recorded instructions.

4. Handset:
   To hang up, press (TALK) or place the handset on the base unit.

Answering Calls

When a call is received, the unit rings and "Incoming call" is displayed. If you subscribe to a Caller ID service, the calling party information will be displayed after the first ring (p. 26). In order to view the CALLER ID information, please wait until the second ring to answer a call.

With the Handset

If the handset is off the base unit, press (TALK).

- You can also answer a call by pressing any dialing button [0] to [9], [*] or [#] (— **Any Key Talk**).
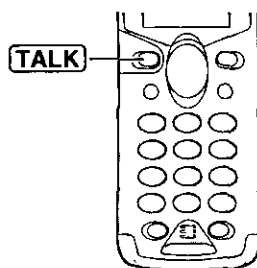
Auto Talk

If you set the Auto Talk feature to ON (p. 18), you can answer a call by lifting the handset off the base unit without pressing (TALK).
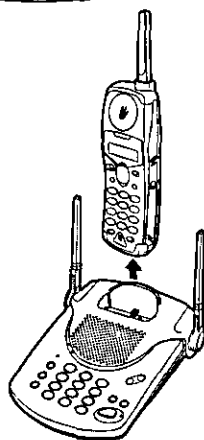
With the Base Unit

1 Press (DIGITAL SP-PHONE).

2 Talk into the **MIC**.

3 To hang up, press (DIGITAL SP-PHONE).

CALLER ID Indicator

MIC

(DIGITAL SP-PHONE)
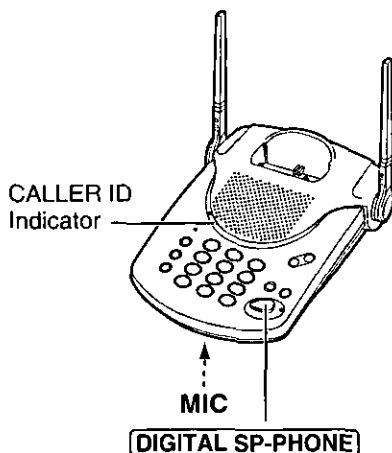
Caller ID Service

This unit is compatible with a Caller ID service offered by your telephone company. If you subscribe to a Caller ID service, the calling party's information will be displayed after the first ring.

The unit can record information of up to 50 different callers, including the time and date received and the number of times called, in the Caller List. The Caller List information is sorted by the most recent to the oldest call. When the 51st call is received, the first call is deleted.

Using the list, you can automatically call back a caller. You can store the callers' numbers from the Caller List into the directory.

If you subscribe to a Visual Call Waiting (Call Waiting ID) service, when a second call is received while talking, the new caller's name and phone number will be displayed (p. 51).

How caller information is displayed when a call is received

The display shows the caller's name and number after the first ring.

```
TINA ROBINSON
1-000-222-3333
```

After you answer the call, the display will show the length of the call and the battery strength.

```
Talk
00-00-00   [███]
```
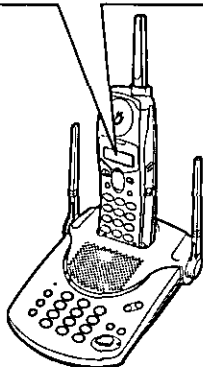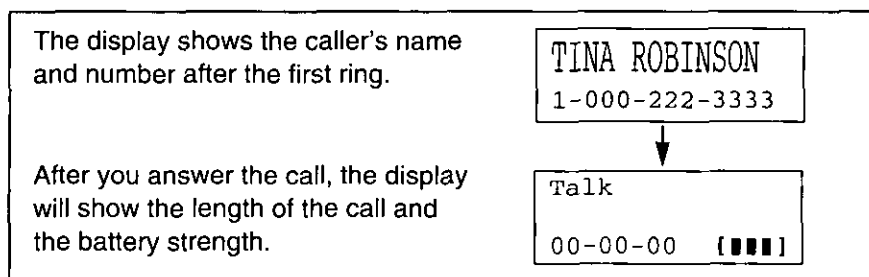
- Caller information cannot be displayed in the following cases:
  — If the caller dialed from an area which does not provide a Caller ID service, the display will show "Out of area".
  — If the caller has requested not to display their information, the display will show "Private caller".

- If your unit is connected to a PBX which does not support Caller ID services, you cannot access those services.
- In some calling areas, the name display service may not be available. For further information, please contact your telephone company.

## To check the number of new calls

When new calls have been received, the CALLER ID indicator flashes on the base unit.

**While the handset is on the base unit:**

If you have received 10 new calls, the display will show the following.

```
10 new calls
         [■■■]
```

When you lift the handset, the display changes to the following.

```
10 new calls
v=New      ʌ=Old
```

- After 10 seconds, the display changes to the stand-by mode (p. 12).
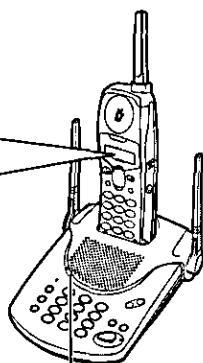
CALLER ID
Indicator

While the handset is off the base unit:

Press ▼ or ▲ to turn the display on. If you have received 10 new calls, the display will show the following.

```
10 new calls
v=New      ʌ=Old
```

▲, ▼
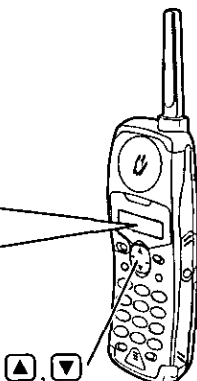
Using the Caller List

Viewing the Caller List

To check who has called, follow the steps below.
Make sure that the unit is in the stand-by mode.

1 Lift the handset off the base unit.
OR
If the handset is off the base unit,
press 🔽 or 🔼 to enter the list.

• The display will show the following.

```
2 new calls
v=New      ∧=Old
```

2 To search from the most recent call,
press 🔽 (New key).
To search from the oldest call, press
🔼 (Old key).

• To scroll between callers, press 🔽
or 🔼.

3 To exit the list, press [EXIT/CH].

• The handset will return to the
stand-by mode.

🔼,🔽

[EXIT/CH]
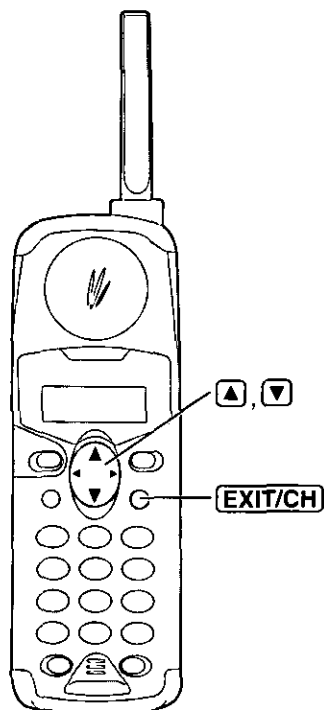
• Once new calls have been checked, "√" will be added.
• If "No items stored" is displayed in step 1, the Caller List is empty.
• If more than one call is received from the same caller, the date and time
of the last call will be recorded. If the same caller calls again, the call
entry with "√" will be deleted.

Ex. When you search from the most recent call:

Lift the handset off the base unit.
OR
If the handset is off the base unit, press ▼ or ▲.

↓

```
  2 new calls
v=New      ∧=Old
```

Press ▼.

↓

```
JACK SMITH
111-2222
  3:10P JUN10
```

Press ▼.

↓

```
NANCY BROWN
222-3333
  1:54P JUN 9 ×2
```

Press ▼.

↓

```
CINDY TURNER
1-234-456-7890
10:38A JUN 9 √
```

Press ▼.

↓

```
  0 new call
v=New      ∧=Old
```

Press ▼.

• If there is no name information for a caller, the display will only show the phone number.

To return to the previous caller, press ▲.

To exit the Caller List, press (EXIT/CH).
• The handset will return to the stand-by mode.

Display meaning:

√ : You have checked this caller information, answered the call or called back the caller.

×2-×9 : The number of times the same caller called (up to 9). After checking, "×2" – "×9" will be replaced with "√".

Calling Back from the Caller List
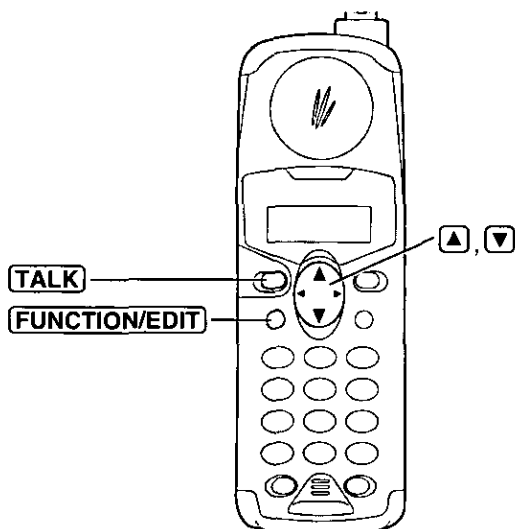
1 Lift the handset off the base unit.
OR
If the handset is off the base unit,
press ▼ or ▲ to enter the list.

```
3 new calls
v=New      ^=Old
```

2 Press ▼ or ▲ repeatedly to find the
desired caller.

```
CINDY   TURNER
1-234-456-7890
11:20A JAN12  ×3
```

3 Press (TALK).

• The displayed phone number is dialed
automatically.

```
Talk
1234567890
```

```
Talk
00-00-00  [▮▮▮]
```

• In some cases you may have to edit the number before dialing (p. 31).
(Ex. You may have to add "1" for long distance calls.)
If you did not store your area code (p. 16), the edited number will not be
saved in the Caller List.
• If a phone number is not displayed in the caller information, you cannot
call back that caller.

Editing the Caller's Phone Number

The unit can edit a phone number into one of 4 patterns.
Make sure that the unit is in the stand-by mode.

1 Lift the handset off the base unit.
OR
If the handset is off the base unit, press
[▼] or [▲] to enter the list.

```
5 new calls
v=New       ∧=Old
```

2 Press [▼] or [▲] repeatedly to find the desired caller.

```
FRED PARKER
321-5555
11:20A JAN12 ×3
```

3 Press (FUNCTION/EDIT) to select a pattern. Each time you press (FUNCTION/EDIT), the number is rearranged into one of 4 different patterns.

ⓐ 1 – Phone no.
ⓑ 1 – Area code – Phone no.
ⓒ Area code – Phone no.
ⓓ Phone no.

• The order in which patterns ⓐ – ⓓ are displayed depends on which pattern the telephone number is displayed in step 2.

ⓐ
```
FRED PARKER
1-321-5555
11:20A JAN12 ×3
```

ⓑ
```
FRED PARKER
1-234-321-5555
11:20A JAN12 ×3
```

ⓒ
```
FRED PARKER
234-321-5555
11:20A JAN12 ×3
```

ⓓ
```
FRED PARKER
321-5555
11:20A JAN12 ×3
```

4 After editing the number into the desired pattern, you can continue with calling back or storing procedures.
To call back, press (TALK) (p. 30).
To store the number in the directory, press **OK** [▶]. Follow the instructions on the display (see page 32, from step 3).

Storing Caller List Information in the Directory

You can store names and phone numbers that are in the Caller List in the directory.
Make sure that the unit is in the stand-by mode.

1 Lift the handset off the base unit.
OR
If the handset is off the base unit, press ▼ or ▲ to enter the list.

```
10 new calls
∨=New        ∧=Old
```

2 Press ▼ or ▲ repeatedly to find the caller you want to store in the directory. Press OK ▶.

- If the number requires editing, see page 31.

```
CINDY TURNER
1-234-456-7890
11:20A JAN12 ×3
```

3 While the arrow points to "Save directory", press OK ▶ (Yes key).

```
▶Save directory
 Clear
∨∧       OK=Yes
```

If there is no name information for the caller, "Enter name" will be displayed.

a) If a name is not required, press OK ▶ (Save key).

```
Enter name

*#=(←→)   OK=Save
```

b) If a name is required, enter the name (p. 36). When finished, press OK ▶ (Save key).

```
Enter name
CINDY TURNER
*#=(←→)   OK=Save
```

- A beep sounds.
- The display will return to step 2. You can continue storing other items. To return to the stand-by mode, press (EXIT/CH).

- You can exit the programming mode any time by pressing (EXIT/CH).
- If the display shows "Memory is full" in step 3, the display will return to step 2. Press (EXIT/CH) to exit the list.
To erase other stored items from the directory, see page 41.
- You cannot store caller information in the directory if a phone number is not displayed.

Erasing Caller List Information

After checking the Caller List, you can erase some or all of the entries.
Make sure that the unit is in the stand-by mode.

To erase a specific caller from the Caller List

1 Lift the handset off the base unit.
OR
If the handset is off the base unit, press ▼
or ▲ to enter the list.

```
10 new calls
∨=New      ∧=Old
```

2 Press ▼ or ▲ repeatedly to find the caller you want to erase from the caller list. Press OK ▶.

```
TOM REAGAN
444-5555
12:20A JAN12 √
```

3 Press ▼ or ▲ to select "Clear".

```
 Save directory
▶Clear
∨∧      OK=Yes
```

4 Press OK ▶ (Yes key).
- A beep sounds and the information is erased.
- After a few seconds, the display will show the previous caller information.
- To return to the stand-by mode, press (EXIT/CH).

```
   Clear
```

To erase all entries in the Caller List

1 Lift the handset off the base unit.
OR
If the handset is off the base unit, press ▼
or ▲ to enter the list.

Make sure this display is shown.

```
 0 new call
∨=New      ∧=Old
```

2 Press OK ▶.

3 Press ▼ or ▲ to select "All clear".

```
 Exit
▶All clear
∨∧      OK=Yes
```

4 Press OK ▶ (Yes key).
- A beep sounds and all entries are erased.
- The handset will return to the stand-by mode.

```
 All clear
```

Advanced Operation

Using the Directory

You can store up to 30 names and phone numbers in the directory. All directory items are sorted by the first word in alphabetical order.
Using the directory, you can make a call by selecting a name on the handset display.

Storing Names and Numbers in the Directory

Make sure that the unit is in the stand-by mode.

(A), (V), BACK (◄), OK (►)

(FUNCTION/EDIT)

The dialing buttons can be used to enter letters and symbols.

(EXIT/CH)

(VOICE MAIL/PAUSE)
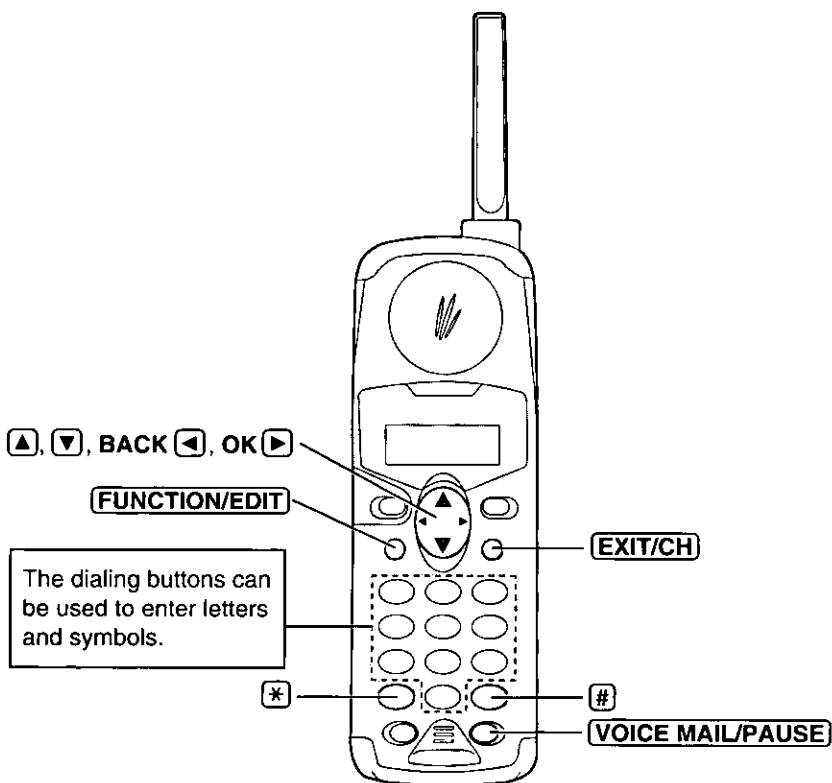
1 Press **[FUNCTION/EDIT]**.

2 Press **[▼]** or **[▲]** repeatedly until the arrow points to "Program".
Press **OK** **[▶]** (Yes key).

```
  Ringer volume
▸Program
∨∧        OK=Yes
```

```
▸Save directory
  Set flash time
∨∧        OK=Yes
```

3 While the arrow points to "Save directory", press **OK** **[▶]** (Yes key).

```
Directory=
    0 item
```

```
Enter name
. .
*#=←→   OK=Next
```

4 Enter a name, up to 15 characters, with the dialing buttons, **[*]** (←) or **[#]** (→).
• See the steps for entering names and symbols (p. 36).
• If a name is not required, press **OK** **[▶]** (Next key) and go to step 6.

```
Enter name
Tom Jones
*#=←→    OK=Next
```

5 Press **OK** **[▶]** (Next key).

```
Enter phone no.


```

6 Enter a phone number up to 22 digits.
• If you misdial, press **BACK** **[◀]**. Digits are erased from the right.

```
0987654321

        OK=Save
```

7 Press **OK** **[▶]** (Save key).
• A beep sounds.
• The display will return to step 2. You can continue storing other items after pressing **OK** **[▶]** (Yes key).
• To return to the stand-by mode, press **[EXIT/CH]**.

```
Tom Jones
0987654321

```

Advanced Operation

• If a pause is required for dialing, **[VOICE MAIL/PAUSE]** can be stored in a phone number counting as one digit (p. 50) in step 6.

35

Steps for Entering Names and Symbols

The handset dialing buttons can be used to enter letters and symbols.
Each button selects a character as shown below.
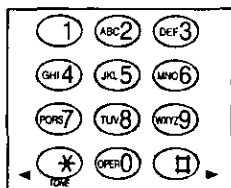
	Number of times key is pressed										
Keys	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**
①	#	&	'	(	)	*	,	–	.	/	1
②	A	B	C	a	b	c	2				
③	D	E	F	d	e	f	3				
④	G	H	I	g	h	i	4				
⑤	J	K	L	j	k	l	5				
⑥	M	N	O	m	n	o	6				
⑦	P	Q	R	S	p	q	r	s	7		
⑧	T	U	V	t	u	v	8				
⑨	W	X	Y	Z	w	x	y	z	9		
⓪	0	Blank									
✳	To move the cursor ⠄ to the left.										
#	To move the cursor ⠄ to the right.										

If you make a mistake while entering a name

Use ✳ (←) or # (→) to move the cursor to the incorrect character, press **BACK** ◀ to delete and enter the correct character. Each time you press **BACK** ◀, a character is erased from the right.
To erase all characters, press and hold **BACK** ◀.

For example, to enter "Tom Jones":

1 Press **FUNCTION/EDIT**.

2 Press ▼ repeatedly until the arrow points to "Program", and press **OK** ▶ (Yes key).

3 While the arrow points to "Save directory", press **OK** ▶ (Yes key).

```
Directory=
   20 items
```

```
Enter name
. .
*#=←→    OK=Next
```

4 Press 8.

```
T
```

5 Press 6 six times, then press # (→) to move the cursor to the right.

```
To
```

6 Press 6 four times.

```
Tom
```

7 Press # (→) twice to enter a blank.

```
Tom
```

8 Press 5.

```
Tom J
```

9 Press 6 six times, then press # (→) to move the cursor to the right.

```
Tom Jo
```

10 Press 6 five times.

```
Tom Jon
```

11 Press 3 five times.

```
Tom Jone
```

12 Press 7 eight times.

```
Enter name
Tom Jones
*#=←→    OK=Next
```

13 When finished, press **OK** ▶ (Next key).

```
Enter phone no.
```

- To enter a phone number, see page 35, from step 6.

- While entering names, the cursor will flash on the display.
- To enter another character using the same dialing button, press # (→) to move the cursor to the next space.

Advanced Operation

Finding Items in the Directory

Make sure that the unit is in the stand-by mode.

1 Press (FUNCTION/EDIT).

2 Press ▼ or ▲ repeatedly until the arrow points to "Directory".

```
 Redial
▶Directory
 ∨∧        OK=Yes
```

3 Press **OK** ▶ (Yes key).

• The first item is displayed.

```
Ann
1234567890
```

(TALK)

▲, ▼, OK ▶

(EXIT/CH)

(FUNCTION/EDIT)

4 Press ▼ or ▲ repeatedly until the desired item is displayed.

• All directory items are stored in the order shown on the right.

To search for a name by initial:

① Press the dialing button for the first letter of the desired name until any name with the same initial is displayed (see the Index table on page 39).
Ex. To find "Frank", press ③ until the first item under "F" is displayed.

② Press ▼ until the name is displayed.

Press ▼.   Press ▲.

| |
| Alphabet letter |
| |
| Symbol |
| |
| Number |
| |
| Telephone number (If no name is stored) |

• You can leave the directory any time by pressing (EXIT/CH).
• If "No items stored" is displayed in step 3, the directory is empty.

Keys	Index	Keys	Index
[1]	Other symbols, 1	[6]	M, N, O, 6
[2]	A, B, C, 2	[7]	P, Q, R, S, 7
[3]	D, E, F, 3	[8]	T, U, V, 8
[4]	G, H, I, 4	[9]	W, X, Y, Z, 9
[5]	J, K, L, 5	[0]	0

Dialing from the Directory

1 Press (FUNCTION/EDIT).

```
▶Redial
 Directory
 v∧        OK=Yes
```

2 Press [▼] or [▲] repeatedly until the arrow points to "Directory".

```
 Redial
▶Directory
 v∧        OK=Yes
```

3 Press OK [▶] (Yes key).

• The first item is displayed.

4 Press [▼] or [▲] repeatedly to find the directory item that you want to dial (p. 38).

```
Frank
4567890
```

• To exit the directory, press (EXIT/CH).

5 Press (TALK).

• The number is dialed automatically.

```
Talk
4567890
```

6 To hang up, press (TALK) or place the handset on the base unit.

Advanced Operation

Editing an Item in the Directory

Make sure that the unit is in the stand-by mode.

1 Press [FUNCTION/EDIT].

2 Press [▼] or [▲] repeatedly until the arrow points to "Directory".

```
  Redial
▶Directory
v∧        OK=Yes
```
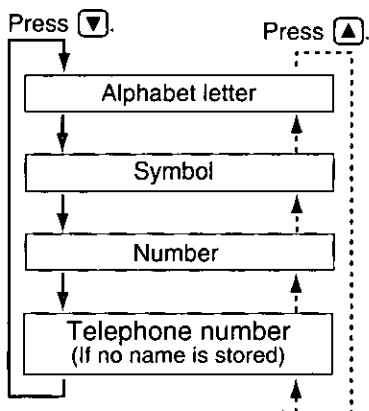
3 Press **OK** [▶] (Yes key).

• The first item is displayed.

4 Press [▼] or [▲] repeatedly to find the directory item you want to change (p. 38). Then press **OK** [▶].

```
Jane
1234567
```

5 While the arrow points to "Edit", press **OK** [▶].

```
▶Edit
 Clear
v∧        OK=Yes
```

6 Press **OK** [▶] (Yes key).

• If you do not need to change the name, go to step 8.

```
Enter name
Jane
*#=(←→)    OK=Next
```

7 Edit the name using the dialing buttons, [✳] (←) or [#] (→) (p. 36), up to 15 characters.

```
Enter name
Jane Walker
*#=(←→)    OK=Next
```

8 Press **OK** [▶] (Next key).

• If you do not need to change the number, press **OK** [▶] (Save key).

```
1234567

          OK=Save
```

9 Add a number to the current number.

• Each time you press **BACK** [◀] the digit to the left of the cursor is erased. To erase all of the digits, press and hold **BACK** [◀].

```
0981234567

          OK=Save
```

10 When finished, press and hold **OK** [▶] (Save key).

• The display will return to step 4. You can continue editing other items.

• To return to the stand-by mode, press [EXIT/CH].

```
Jane Walker
0981234567
```

• You can exit the programming mode any time by pressing [EXIT/CH].

Erasing an Item from the Directory

Make sure that the unit is in the stand-by mode.

1 Press [FUNCTION/EDIT].

2 Press ▼ or ▲ repeatedly until the arrow points to "Directory".
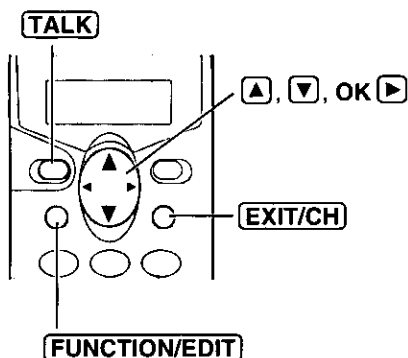
```
  Redial
▶Directory
∨∧        OK=Yes
```

3 Press **OK** ▶ (Yes key).

•The first item is displayed.

4 Press ▼ or ▲ repeatedly to find the directory item you want to erase (p. 38).

```
Helen
1234567890
```

5 Press **OK** ▶.

```
▶Edit
  Clear
∨∧        OK=Yes
```

6 Press ▼ or ▲ to select "Clear".

```
  Edit
▶Clear
∨∧        OK=Yes
```

7 Press **OK** ▶ (Yes key).

• The display will show the next item.
• To return to the stand-by mode, press [EXIT/CH].

```
     Clear
```

Advanced Operation

• You can exit the programming mode any time by pressing [EXIT/CH].

41

Speed Dialer

Storing Phone Numbers in Memory

You can store up to 5 phone numbers in the base unit. The dialing buttons ([1] to [5]) function as memory stations.

Make sure that the unit is in the stand-by mode.

1 Press [AUTO/PROGRAM].

 • The IN USE/CHARGE indicator flashes.

2 Enter a phone number, up to 22 digits.

 • If you misdial, press [AUTO/PROGRAM] twice to end storing, and start again from step 1.

3 Press [AUTO/PROGRAM].

4 Press a memory station number ([1] to [5]).

 • A beep sounds.
 • To store other numbers, repeat steps 1 through 4.

IN USE/CHARGE Indicator

Memory Station Numbers

[AUTO/PROGRAM]
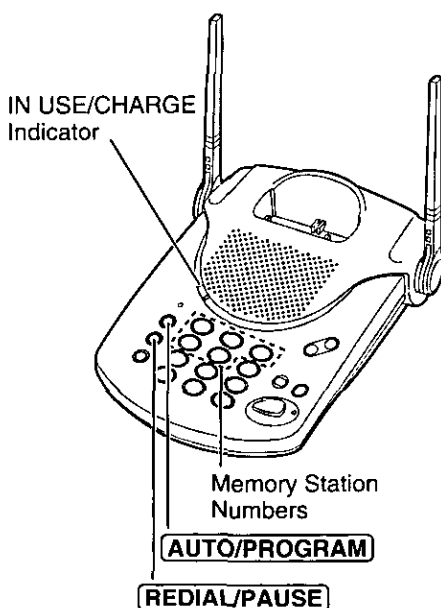
[REDIAL/PAUSE]

 • If a pause is required for dialing, press [REDIAL/PAUSE] where needed. Pressing [REDIAL/PAUSE] counts as one digit (p. 50).

To erase a stored number

Press (AUTO/PROGRAM) twice and the memory station number (1 to 5) for the phone number to be erased.

Dialing a Stored Number

1 Press (DIGITAL SP-PHONE).

2 Press (AUTO/PROGRAM).

3 Press the memory station number (1 to 5).

• The stored number is dialed.

(DIGITAL SP-PHONE)

Memory Station Numbers

(AUTO/PROGRAM)
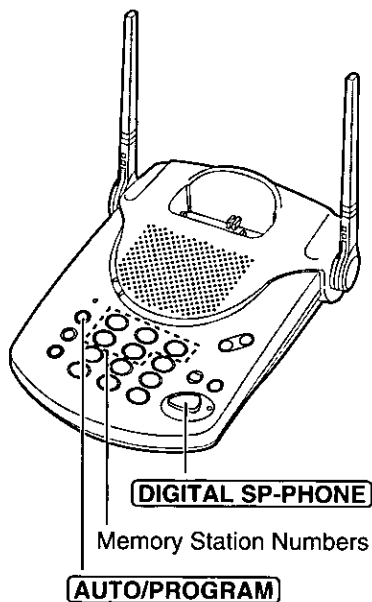
Advanced Operation

• Numbers stored in the base unit can only be dialed from the base unit.
• If your line has rotary or pulse service, any access numbers stored after pressing (TONE) will not be dialed.

Intercom

A 2-way intercom is possible between the handset and the base unit.

Paging the base unit from the handset

1 Handset:
Press (INTERCOM). Talk to the paged party after the beeps.

• "Intercom" is displayed.

2 Base unit:
When the other party's voice is heard, answer using the **MIC**.

3 Handset:
To end the intercom, press (INTERCOM).

INTERCOM

MIC
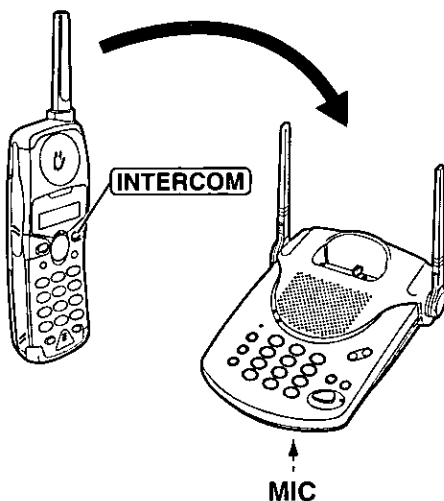
Paging the handset from the base unit (Handset locator)

Using this feature, you can locate a misplaced handset.

1 Base unit:
Press (LOCATOR/INTERCOM).

• The handset beeps for 1 minute and "Paging Press INTERCOM" is displayed.

• To stop paging, press (LOCATOR/INTERCOM) again.

2 Handset:
Press (INTERCOM) to answer.

• "Intercom" is displayed.

3 Base unit:
Talk into the **MIC**.

4 Handset:
To end the intercom, press (INTERCOM).

MIC

LOCATOR/INTERCOM
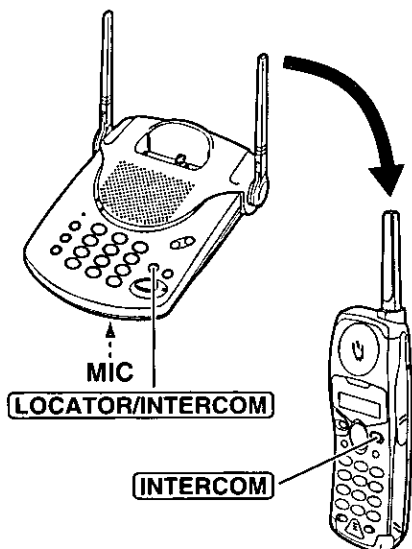
INTERCOM

During an intercom call:

• Intercom calls can only be ended with the handset.
• If the handset user has difficulty hearing the base unit user, decrease the base unit speaker volume by pressing **VOLUME** ⊘.
• If an incoming call is received, the intercom call stops and the unit starts to ring. To answer, press (TALK) or (DIGITAL SP-PHONE).

Transferring a Call Using the Intercom

The intercom can be used during a call. This feature enables you to transfer a call between the handset and the base unit.

From the handset to the base unit

1 Handset:
During a call, press
(INTERCOM). Talk to the
paged party after the beeps.

• The call is put on hold and "Intercom hold" is displayed.
• If the base unit user does not answer, press (TALK).

2 Base unit:
When the paging party's voice is heard, answer using the **MIC**.

3 Base unit:
To answer the call, press
(DIGITAL SP-PHONE).

• The transfer is complete.

From the base unit to the handset

1 Base unit:
During a call, press
(LOCATOR/INTERCOM).

• The call is put on hold.
• If the handset user does not answer, press
(DIGITAL SP-PHONE).

2 Handset:
Press (INTERCOM) to answer the page.

3 Handset:
To answer the call, press
(TALK).

• The transfer is complete.

Voice Mail Service

Voice mail service is an electronic on-line answering system offered by your telephone company. After subscribing, the voice mail system can answer calls automatically when your line is busy or if calls are not answered. Callers can leave messages by following the pre-recorded instructions. When voice mail messages are recorded, "Voicemail" on the display and the VOICE MAIL indicator on the base unit will flash. You can access the voice mail system by simply pressing (VOICE MAIL/PAUSE).

To use this feature, you must first store your access number.

⊡, ⊟, BACK ◄,
OK ►

(FUNCTION/EDIT)

(EXIT/CH)

VOICE MAIL Indicator

(VOICE MAIL/PAUSE)
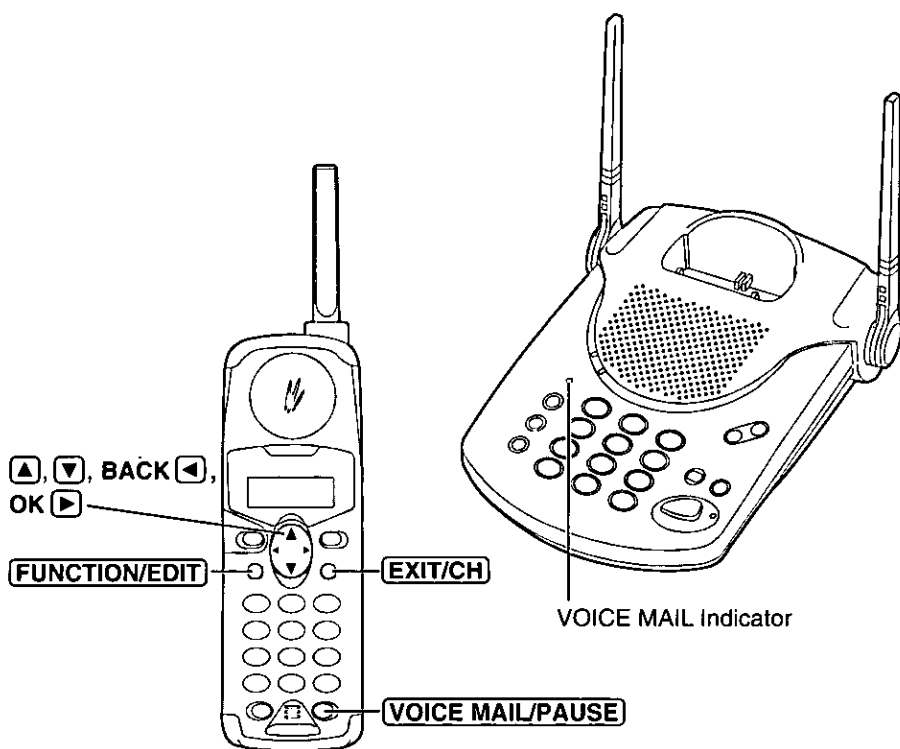
Storing a Voice Mail Access Number

Make sure that the unit is in the stand-by mode.

1 Press (**FUNCTION/EDIT**).

```
▶Redial
 Directory
 v∧      OK=Yes
```

2 Press ▼ or ▲ repeatedly until the arrow points to "Program".

```
 Ringer volume
▶Program
 v∧      OK=Yes
```

3 Press **OK** ▶ (Yes key).

```
▶Save directory
 Set flash time
 v∧      OK=Yes
```

4 Press ▼ or ▲ repeatedly until the arrow points to "Save mailbox#".

```
▶Save mailbox#
 Voicemail tone
 v∧      OK=Yes
```

5 Press **OK** ▶ (Yes key).

```
 Enter mailbox#


```

6 Enter your access number, up to 32 digits.

- If you enter a wrong number, press **BACK** ◀. Digits are erased from the right.

```
 1234567890

         OK=Save
```

7 Press **OK** ▶ (Save key).

- A beep sounds.
- To return to the stand-by mode, press (**EXIT/CH**).

```
 1234567890

 Save mailbox#
```

Advanced Operation

To erase a stored number

Press **BACK** ◀ in step 6.

- You can exit the programming mode any time by pressing (**EXIT/CH**).

Setting the Voice Mail Tone

If your voice mail service sends a voice mail tone after a new message has finished recording, set to "On". "Voicemail" on the display and the VOICE MAIL indicator on the base unit will flash when a message is recorded in your mailbox. You will hear a series of voice mail tones then a dial tone after pressing (TALK). (Contact your service provider for information about your service.)

Set to "Off" if:
— you do not subscribe to a voice mail service,
— your voice mail service does not send a voice mail tone, or
— the unit is connected to a PBX.

Your phone comes from the factory set to "On".

Make sure that the unit is in the stand-by mode.

1 Press (FUNCTION/EDIT).

2 Press ▼ or ▲ repeatedly until the arrow points to "Program".

```
 Ringer volume
▶Program
∨∧      OK=Yes
```

3 Press **OK** ▶ (Yes key).

4 Press ▼ or ▲ repeatedly until the arrow points to "Voicemail tone".

```
 Save mailbox#
▶Voicemail tone
∨∧      OK=Yes
```

5 Press **OK** ▶ (Yes key).

```
 Voicemail tone
            :On
∨∧     OK=Save
```

6 Press ▼ or ▲ to select "Off" or "On".
  Press **OK** ▶ (Save key).

```
 Voicemail tone
            :Off
```

• To return to the stand-by mode, press (EXIT/CH).

• You can exit the programming mode any time by pressing (EXIT/CH).
• If 3 beeps sound and the display shows "Save error", move closer to the base unit and try again. If "Save error" is still displayed, place the handset on the base unit. Start again from step 1.

Listening to Voice Mail Messages

After receiving a voice mail message, "Voicemail" on the display and the VOICE MAIL indicator on the base unit will flash. To listen to your voice mail, follow the steps below.

VOICE MAIL
Indicator

[EXIT/CH]

[TALK]

[FUNCTION/EDIT]
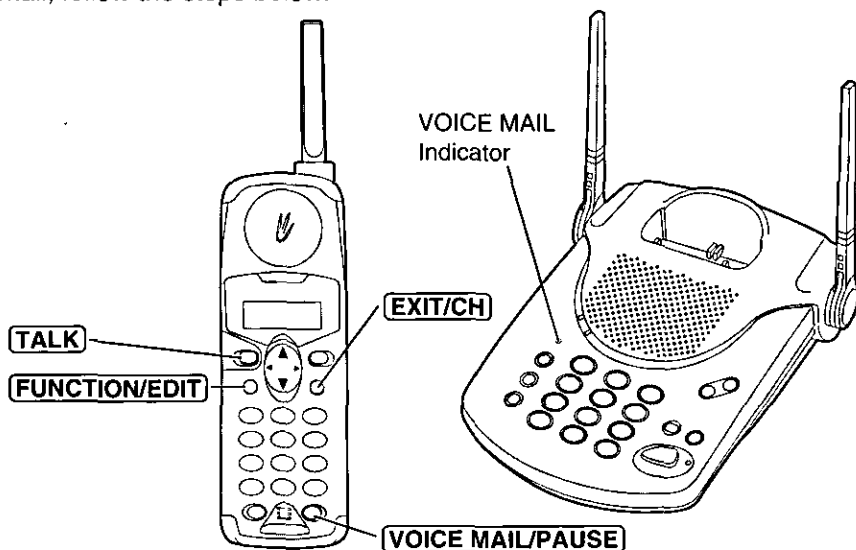
[VOICE MAIL/PAUSE]

1 Press [VOICE MAIL/PAUSE].

• The unit is connected to the telephone line and automatically dials the access number (p. 47).

2 Follow the pre-recorded instructions.

3 When finished, press [TALK].

• If "Voicemail" on the display and the VOICE MAIL indicator on the base unit still flash even if you have listened to your voice mail message(s), press and release [FUNCTION/EDIT], then press and hold [VOICE MAIL/PAUSE] until the unit beeps. The indicator will turn off and "Voicemail" on the display will disappear.

• If your voice mail service uses a voice mail tone and the recorded message is over 3 minutes long, "Voicemail" and the VOICE MAIL indicator may not flash.

• If your voice mail service uses a voice mail tone, the tone will be heard from any parallel connected phone. If you use another phone to retrieve messages, you have to dial your access number manually.

Advanced Operation

Special Features
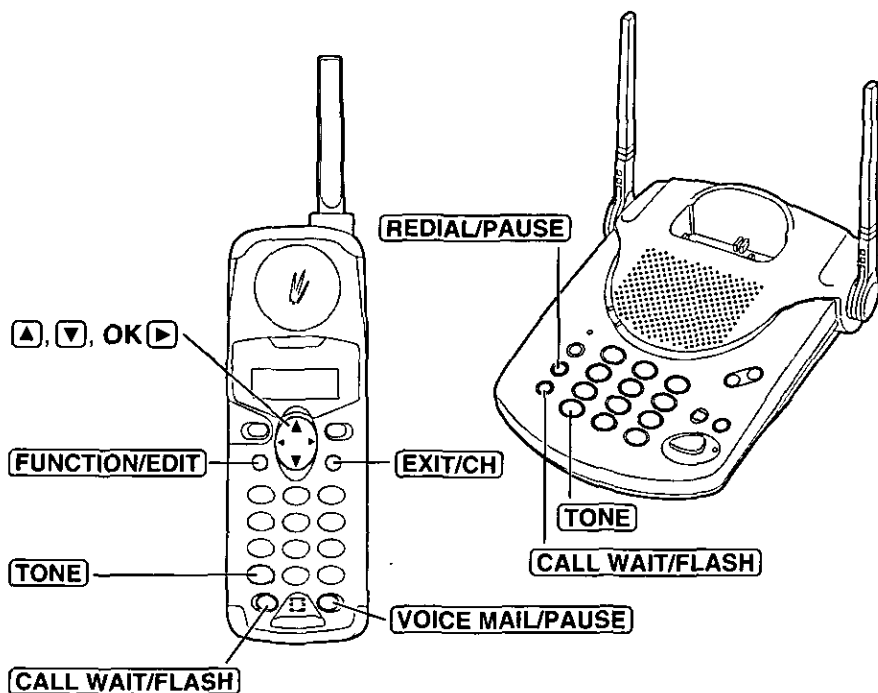
Automatic Security Code Setting

Whenever you place the handset on the base unit, the unit automatically selects one of a million security codes. These codes help prevent the unauthorized use of your telephone line by another cordless telephone.

How to Use the PAUSE Button

(For Analog PBX Line/Long Distance Service Users)

We recommend you press (VOICE MAIL/PAUSE) or (REDIAL/PAUSE) if a pause is required for dialing with a PBX or to access a long distance service.

Ex. Line access number [9] (PBX)

[9] ➡ (VOICE MAIL/PAUSE) or (REDIAL/PAUSE) ➡ Phone number

- Pressing (VOICE MAIL/PAUSE) or (REDIAL/PAUSE) once creates a 3.5 second pause.
  This prevents misdialing when you redial or dial a stored number.
- Pressing (VOICE MAIL/PAUSE) or (REDIAL/PAUSE) more than once increases the length of the pause between numbers.

For Call Waiting Service Users

Press (CALL WAIT/FLASH) if you hear a call-waiting tone while talking.

- The first call is put on hold and you can answer the second call.
- To return to the first caller, press (CALL WAIT/FLASH) again.
- The call waiting service cannot be used when a parallel connected telephone is in use.
- If this function does not operate properly, consult your telephone company for details.

Visual Call Waiting (Call Waiting ID) Service

Visual Call Waiting (Call Waiting ID) Service allows your handset to display the second caller's information. After you hear a call-waiting tone while talking, the handset will display the caller's name with the phone number and "----Waiting----".

```
NANCY BROWN
1-000-222-3333
----Waiting----
```

- The second caller's information will not be displayed when you are having a conversation using the base unit while the handset is off the base unit.
- Please contact your telephone company for details and availability in your area.

Temporary Tone Dialing
(For Rotary or Pulse Service Users)

Press (TONE) before entering access numbers which require tone dialing.

- The dialing mode changes to tone. You can enter numbers to access an answering service, electronic banking service, etc. When you hang up, the mode will return to pulse.
- Access numbers entered after pressing (TONE) will not be included when redialing.

Advanced Operation

FLASH Button

Pressing (CALL WAIT/FLASH) allows you to use special features of your host PBX such as transferring an extension call or accessing special telephone services (optional) such as call waiting.

Selecting the flash time (call waiting time)

The flash time depends on your telephone exchange or host PBX. You can select from flash times (call waiting times): "700, 600, 400, 300, 250, 110, 100 or 90 ms (milliseconds)" using the handset near the base unit. Your phone comes from the factory set to "700 ms".

Make sure that the unit is in the stand-by mode.

1 Press (FUNCTION/EDIT).

2 Press ▼ or ▲ repeatedly until the arrow points to "Program".

```
Ringer volume
▶Program
∨∧        OK=Yes
```

3 Press OK ▶ (Yes key).

4 Press ▼ or ▲ repeatedly until the arrow points to "Set flash time".

```
Save directory
▶Set flash time
∨∧        OK=Yes
```

5 Press OK ▶ (Yes key).

```
Flash time
          :700ms
∨∧        OK=Save
```

6 Press ▼ or ▲ repeatedly until the desired time is displayed.

7 Press OK ▶ (Save key).
- A beep sounds.
- To return to the stand-by mode, press (EXIT/CH).

- You can exit the programming mode any time by pressing (EXIT/CH).
- If 3 beeps sound and the display shows "Save error", move closer to the base unit and try again. If "Save error" is still displayed, place the handset on the base unit. Start again from step 1.
- If you are connected via a PBX, a longer flash time may be necessary to use PBX functions (transferring a call etc.). Consult your PBX supplier for the correct setting.

Using the Belt Clip

You can hang the handset on your belt or pocket using the belt clip.

To attach the belt clip   ## To remove the belt clip
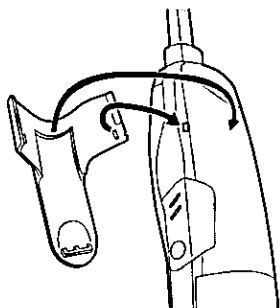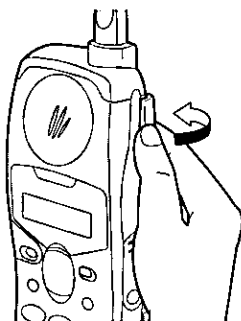
Using the Optional Headset

Plugging an optional headset into the handset allows a hands-free phone conversation. Please use only a Panasonic KX-TCA80 or KX-TCA90 headset. To order, call the accessories telephone number on page 2.

Connecting the headset to the handset

Open the headset jack cover, and connect the headset to the headset jack as shown below.
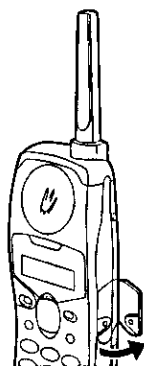
The illustration headset is a KX-TCA90.

Headset Jack
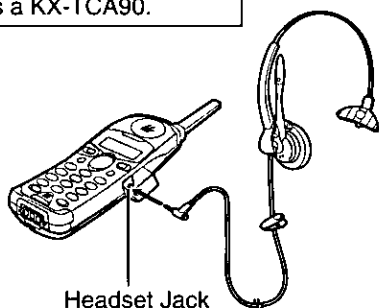
When the optional headset is connected to the handset, be sure to use the headset to talk with the caller. If you want to have a normal cordless phone conversation, disconnect the headset.

Battery Replacement

If "Recharge" is displayed and/or "(▣]" flashes after being fully charged, replace the battery with a new Panasonic HHR-P401 battery. To order, call the accessories telephone number on page 2. To avoid memory loss, replace within 3 minutes.

1 Lay the handset on a flat surface. **Carefully** insert a flat metal object and turn **slowly** to remove the cover.
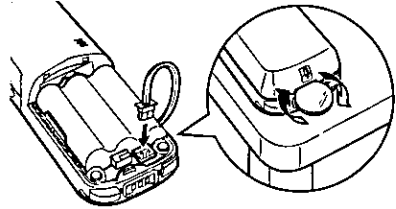
2 Replace the battery, and close the cover.

3 Be sure to charge the new battery for about 7 hours in order to display the battery strength prompt correctly (p. 11).
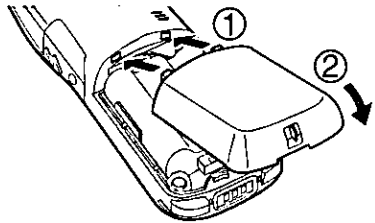
Adding Another Phone

This unit will not function during a power failure. To connect a standard telephone on the same line, use the Panasonic T-adaptor KX-J66. To order, call the accessories telephone number on page 2.

Standard Telephone

Single-Line
Telephone Jack

Telephone
Line Cord

T-Adaptor (KX-J66)

Before Requesting Help →

Problem	Remedy
"Out of range" is displayed and an alarm tone sounds.	• You are too far from the base unit. Move closer and try again. • Place the handset on the base unit and try again. • Plug in the AC adaptor. • Raise the base unit antennas.
The unit does not work.	• Check the settings (p. 10–14). • Charge the battery fully (p. 11). • Clean the charge contacts and charge again (p. 12). • Install the battery properly (p. 54). • Place the handset on the base unit and unplug the AC adaptor to reset. Plug in, and try again. • Re-install the handset battery within 3 minutes to avoid memory loss and place the handset on the base unit. Then try again.
Static, sound cuts in/out, fades. Interference from other electrical units.	• Locate the handset and the base unit away from other electrical appliances (p. 3). • Move closer to the base unit. • Raise the base unit antennas. • Press (EXIT/CH) to select a clearer channel.
The handset does not ring.	• The ringer volume is set to OFF. Set to HIGH or LOW (p. 19).
The base unit does not ring.	• The ringer volume is set to OFF. Press (HOLD/RINGER) while the unit is in the stand-by mode (p. 19).

Useful Information

➡ Before Requesting Help

Problem	Remedy
The handset display is blank.	• The handset is in the stand-by mode (p. 12). Press ▼ or ▲ to turn the display on.
The handset display is still blank after pressing ▼ or ▲.	• Charge the battery fully (p. 11).
You cannot program items, such as the dialing mode.	• Programming is not possible while the unit is in the talk, speakerphone or intercom mode. • Do not pause for over 60 seconds while programming. • ▼ or ▲ may have been pressed when you picked up the handset. Press (EXIT/CH), then try again.
Previously programmed information is erased.	• If a power failure occurs, programmed information may be erased. Reprogram if necessary.
You cannot store a name and phone number in the directory or cannot store a phone number in speed dial memory.	• You cannot store an item in the directory while the unit is in the talk or intercom mode. • You cannot store a phone number in speed dial memory while the unit is in the speakerphone, talk or intercom mode. • Do not pause for over 60 seconds while storing.
While programming or searching, the unit starts to ring and stops the program/search.	• To answer the call, press (TALK) or (DIGITAL SP-PHONE). Start again from the beginning after hanging up.

Problem	Remedy
The unit does not display the caller's name and/or phone number.	• Other telephone equipment may be interfering with your phone. Disconnect it and try again. • Other electrical appliances connected to the same outlet may be interfering with the Caller ID information. • Telephone line noise may be affecting the Caller ID information.
The display goes to the stand-by mode while viewing the Caller List.	• Do not pause for over 60 seconds while searching. • (DIGITAL SP-PHONE) was pressed.
When a second call is received during a conversation, the unit does not display the new caller's name and/or phone number.	• The line mode selection is incorrect. See page 14.
(LOCATOR/INTERCOM) does not function.	• The handset is too far from the base unit. • The handset is engaged in an outside call or is viewing the Caller List. Wait until the IN USE/CHARGE indicator light goes out.
You cannot redial the last number dialed.	• If the last number dialed was more than 32 digits long, the number will not be redialed. • Access numbers entered after pressing (TONE) will not be included when redialing. • (REDIAL/PAUSE) on the base unit has a double function as either redial or pause. It will redial the last number dialed if pressed at the outset of a call (p. 23). If another number has been dialed first, it will operate as a pause button (p. 50).

Useful Information

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➡ Before Requesting Help

Problem	Remedy
"Recharge" is displayed, "[▮]" flashes or the unit beeps every minute.	• Charge the battery fully (p. 11).
You charged the battery fully, but "Recharge" is still displayed and/or "[▮]" continues to flash.	• Clean the charge contacts and charge again (p. 11, 12). • Install a new battery (p. 54).
The IN USE/CHARGE indicator light does not go out while charging.	• This is normal.
You cannot have a conversation using the handset.	• When the headset is plugged into the handset (p. 53), you must use the headset to talk with the caller. To have a normal cordless phone conversation, disconnect the headset.
You cannot have a conversation using the headset.	• Make sure that the headset is plugged into the headset jack properly (p. 53).
If you cannot solve your problem	• Call our customer call center at 1-800-211-PANA(7262). • Panasonic's e-mail address for customer inquiries: consumerproducts@panasonic.com for customers in the USA or Puerto Rico ONLY

Important Safety Instructions ➡

When using this unit, basic safety precautions should always be followed to reduce the risk of fire, electric shock, or personal injury.

1. Read and understand all instructions.
2. Follow all warnings and instructions marked on this unit.
3. Unplug this unit from AC outlets before cleaning. Do not use liquid or aerosol cleaners. Use a damp cloth for cleaning.
4. Do not use this unit near water, for example, near a bathtub, washbowl, kitchen sink, or the like.
5. Place this unit securely on a stable surface. Serious damage and/or injury may result if the unit falls.
6. Do not cover slots and openings on the unit. They are provided for ventilation and protection against overheating. Never place the unit near radiators, or in a place where proper ventilation is not provided.
7. Use only the power source marked on the unit. If you are not sure of the type of power supplied to your home, consult your dealer or local power company.
8. Do not place objects on the power cord. Install the unit where no one can step or trip on the cord.
9. Do not overload wall outlets and extension cords. This can result in the risk of fire or electric shock.
10. Never push any objects through slots in this unit. This may result in the risk of fire or electric shock. Never spill any liquid on the unit.
11. To reduce the risk of electric shock, do not disassemble this unit. Take the unit to an authorized servicenter when service is required. Opening or removing covers may expose you to dangerous voltages or other risks. Incorrect reassembly can cause electric shock when the unit is subsequently used.
12. Unplug this unit from the wall outlet and refer servicing to an authorized servicenter when the following conditions occur:
    A. When the power supply cord or plug is damaged or frayed.
    B. If liquid has been spilled into the unit.
    C. If the unit has been exposed to rain or water.
    D. If the unit does not work normally by following the operating instructions. Adjust only controls covered by the operating instructions. Improper adjustment may require extensive work by an authorized servicenter.
    E. If the unit has been dropped or physically damaged.
    F. If the unit exhibits a distinct change in performance.
13. During thunderstorms, avoid using telephones except cordless types. There may be a remote risk of an electric shock from lightning.
14. Do not use this unit to report a gas leak, when in the vicinity of the leak.

SAVE THESE INSTRUCTIONS

Useful Information

➡ Important Safety Instructions

CAUTION:

To reduce the risk of fire or injury to persons, read and follow these instructions.

1. Use only the battery(ies) specified.
2. Do not dispose of the battery(ies) in a fire. They may explode. Check with local waste management codes for special disposal instructions. ·
3. Do not open or mutilate the battery(ies). Released electrolyte is corrosive and may cause burns or injury to the eyes or skin. The electrolyte may be toxic if swallowed.
4. Exercise care in handling batteries in order not to short the battery to conductive materials such as rings, bracelets, and keys. The battery and/or conductor may overheat and cause burns.
5. Charge the battery(ies) provided with or identified for use with this product only in accordance with the instructions and limitations specified in this manual.

WARNING:

TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THE BASE UNIT TO RAIN OR ANY TYPE OF MOISTURE. ONLY THE HANDSET IS SHOCK AND SPLASH RESISTANT.

Splash-Resistant (HANDSET ONLY)

The handset is designed to be splash resistant.
You can use the handset with wet hands.
CAUTION:
- **Do not immerse in water or leave under running water.**
- Keep the handset away from salt water.
- Avoid exposure to prolonged high humidity.
- Since water in the headset jack may cause damage, close the headset jack cover when the optional headset is not in use. When the optional headset is connected, do not use the handset with wet hands.
- If the handset is wet, wipe with a soft dry cloth.
- The base unit is not designed to be splash resistant. Do not place the wet handset on the base unit.

Shock-Resistant (HANDSET ONLY)

Although the handset is designed to be shock resistant, do not throw or step on the handset.

FCC and Other Information ➡

If requested by the telephone company, inform them as follows:
FCC Registration No. ....(found on the bottom of the unit)
Ringer Equivalence 0.1B
The particular telephone line to which the equipment is connected.

This unit must not be connected to a coin operated line.
If you are on a party line, check with your local telephone company.

Ringer Equivalence No. (REN):
The REN is useful in determining the quantity of devices you may connect to your
telephone line and still have all of those devices ring when your telephone number
is called. In most, but not all areas, the sum of the REN's of all devices connected
to one line should not exceed five (5.0). To be certain of the number of devices you
may connect to your line, as determined by the REN, you should contact your local
telephone company to determine the maximum REN for your calling area.

In the event terminal equipment causes harm to the telephone network, the
telephone company should notify the customer, if possible, that service may be
stopped.

However, where prior notice is impractical, the company may temporarily cease
service providing that they:
(a) Promptly notify the customer.
(b) Give the customer an opportunity to correct the problem with their equipment.
(c) Inform the customer of the right to bring a complaint to the Federal
    Communication Commission pursuant to procedures set out in FCC Rules and
    Regulations Subpart E of Part 68.

The Telephone Company may make changes in its communications facilities,
equipment, operations or procedures, where such action is reasonably required in
the operation of its business and is not inconsistent with the rules and regulations
in FCC Part 68.

If such changes can be reasonably expected to render any customer terminal
equipment incompatible with telephone company communications facilities, or
require modification or alteration of such terminal equipment, or otherwise
materially affect its use or performance, the customer shall be given adequate
notice in writing, to allow the customer an opportunity to maintain uninterrupted
service.

When programming emergency numbers and/or making test calls to emergency
numbers:
1. Remain on the line and briefly explain to the dispatcher the reason for the call
   before hanging up.
2. Perform such activities in the off-peak hours, such as early morning hours or
   late evenings.

This device complies with Part 15 of the FCC Rules. Operation is subject to the
following two conditions: (1) This device may not cause harmful interference, and
(2) this device must accept any interference received, including interference that
may cause undesired operation.

Privacy of communications may not be ensured when using this phone.

Useful Information

➡ FCC and Other Information

CAUTION:

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this device.

Note:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

— Reorient or relocate the receiving antenna.

— Increase the separation between the equipment and receiver.

— Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

— Consult the dealer or an experienced radio/TV technician for help.

Some cordless telephones operate at frequencies that may cause interference to nearby TVs and VCRs. To minimize or prevent such interference, the base of the cordless telephone should not be placed near or on top of a TV or VCR. If interference is experienced, move the cordless telephone further away from the TV or VCR. This will often reduce or eliminate interference.

* **Environment** — do not place the unit in a room where the temperature is less than 5°C (41°F) or greater than 40°C (104°F). Allow 10 cm (4") clearance around the unit for proper ventilation. Avoid excessive smoke, dust, mechanical vibration, shock, or direct sunlight.
* **Medical** — consult the manufacturer of any personal medical devices, such as pacemakers, to determine if they are adequately shielded from external RF (radio frequency) energy. (The unit operates in the frequency range of 904MHz to 925MHz and 2406MHz to 2478MHz, and the power output level can range from 0.02 watts to 0.40 watts.) Do not use the unit in health care facilities if any regulations posted in the area instruct you not to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF (radio frequency) energy.
* **Routine care** — wipe the unit with a soft cloth. Do not use benzine, thinner, or any abrasive powder. When you leave the unit unused for a long period of time, unplug the AC adaptor from the outlet.
* **If there is any trouble** — disconnect the unit from the telephone line and connect a known working phone. If the known working phone operates properly, have your unit repaired by one of the authorized Panasonic Factory Service Centers. If the known working phone does not operate properly, consult your telephone company.

For product service

- Panasonic Servicenters are listed in the servicenter directory.
- Call 1-800-211-PANA(7262) for the location of an authorized servicenter.
- Panasonic's e-mail address for customer inquiries:
consumerproducts@panasonic.com
for customers in the USA or Puerto Rico ONLY

When you ship the product

- Carefully pack your unit, preferably in the original carton.
- Attach a letter, detailing the symptom, to the outside of the carton.

Symptom

- Send the unit to an authorized servicenter, prepaid and adequately insured.
- Do not send your unit to the Panasonic Consumer Electronics Company listed on the back cover or to executive or regional sales offices. These locations do not repair consumer products.

- This cordless telephone is designed for use in the United States of America. Sale or use of this product in other countries may violate local laws.
- Ce téléphone sans fil est conçu pour être utilisé aux États-Unis d'Amérique. La vente ou l'emploi de cet appareil dans certains autres pays peut constituer une infraction à la législation locale.
- Este teléfono sin cordón fue elaborado para uso en los Estados Unidos de América. La venta o el empleo de este producto en ciertos países puede constituir violación de la legislación local.
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